Recent GSD News

- **Included in the DII/COE**

- **Integration with JMTK about to proceed**

- **Selected as finalist in NPIC's Pathfinder 97 Initiative**

- **Being considered for inclusion into DIA's Joint Intelligence Virtual Architecture (JIVA)**

- **Mike Chadwell taking over MAJ Wright's GSD duties at ASPO**

- **Preparing for MIL-STD-2525A upgrades to GSD**

Graphical Situation Display (GSD) Upgrade for MIL-STD-2525A

31 October 1996

GSD Upgrade for MIL-STD-2525A

- **ASPO submitted list of comments and questions related to draft MIL-STD-2525A**

- **ASPO and TRW have requested assistance in resolving a number of implementation issues concerning new symbols and battlefield graphics**
  - **LTC Clark has offered to help**

- **TRW has identified the specific GSD changes required to implement MIL-STD-2525A**

USASSDC

GSD Modifications for MIL-STD-2525A

- **Icon Id changes impact virtually every component of GSD**
  - **15 character Icon Id**
  - **New icon Id structure, includes Country Codes**
  - **New symbol hierarchy**

- **New single point symbols affect GSD Draw library**
  - **Warrior icon data set (~1300 icons for each frame shape)**
  - **Tactical graphics (~28 icons)**
  - **Weather (~24 icons)**
  - **Signal Intercept symbol set**
  - **Ensure that all symbols conform to MIL-STD-2301 CGM standard**

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GSD Modifications for MIL-STD-2525A Continued

- **Symbol display changes affect GSD Draw and Resource libraries**
    - **Dashed frame and solid icon for planned/anticipated**
    - **Direction of movement indicators for Land Equipment differ from indicators used with all other symbols**
    - **Allow Land Equipment rotation when unframed**
    - **Allow various display options (Frame On/Off, Fill On/Off, Symbol Icon/Point)**
    - **Anticipated changes for new tactical graphics displays**

GSD Modifications for MIL-STD-2525A Continued

- **Amplifying text changes affect the GSD Message, DataView, Utility, Resource, Draw, and Database libraries**
    - **Add new Altitude/Depth (X), Location (Y), and Speed (Z) fields**
    - **Move existing Higher Formation (M), Evaluation Rating (J), Combat Effectiveness (K), and Signature Equipment (L) fields**
    - **Change field sizes for Higher Formation, Unique Designation, and Type of Equipment**
    - **Add (J)oker and (F)aker to field "E"**
    - **Change field "N" enemy value from "EN" to ENY"**
    - **Add coding scheme for Evaluation Rating (K)**

GSD Modifications for MIL-STD-2525A Continued

- **New Multiple Point Symbology affects GSD Draw, Pick and Utility Libraries**
  - **Tactical Graphics (~68 symbols)**
  - **Weather Graphics (~30 symbols)**
  - **Must program a specific draw module for each new symbol**
  - **Possible new fields in the Icon Data Record (such as enemy location for Front Lines)**
- **GSD Interface Control Document (ICD) changes**
- **Update to GSD Demonstration Software**

GSD Upgrade Costs and Schedule

Icon Id Change.............................	$113K
Single Point Symbology................	$66K
Symbol Display Changes..............	$30K
Amplifying Text Changes..............	$75K
Multiple Point Symbology...........	$353K
ICD Update.....................................	$88K
Update Demonstration SW............	$20K
Total	**$745K**

- **ASPO has $250K in GSD budget for this upgrade and is attempting to identify sources to fund remaining $495K**
- **With continued funding, TRW estimates work would be completed by March 97**